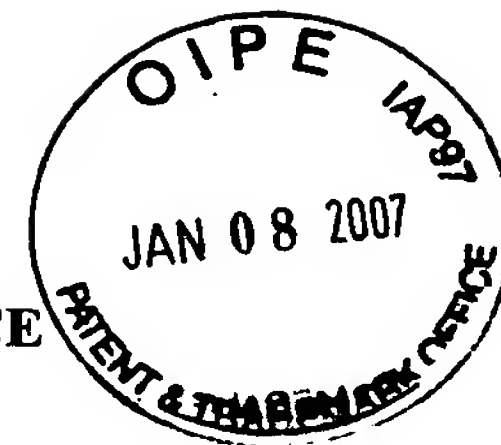


Docket No. 296905US40PCT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi SAWADA, et al.

SERIAL NO: 10/594,983

GAU: 2611

FILED: September 29, 2006

EXAMINER:

FOR: SIGNAL SEPARATION DEVICE, SIGNAL SEPARATION METHOD, SIGNAL SEPARATION PROGRAM,
AND RECORDING MEDIUM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449, some of which were cited in the International Search Report submitted on September 29, 2006. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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DOCKET NO.: 296905US40PCT



Page 1 of 1

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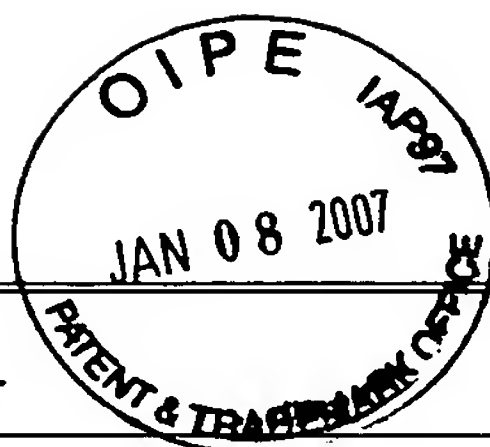
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STATEMENT OF RELEVANCY

References AD to AM on Form PTO-1449:

The references are cited in the specification on pages 7, 45, 89, and 107.



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 296905US40PCT		SERIAL NO. 10/594,983	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hiroshi SAWADA, et al.			
				FILING DATE September 29, 2006		GROUP 2611	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AC	2004-170552	06/17/2004	Japan (with English abstract)			X
	AD	2004-145172	05/20/2004	Japan (with English abstract)			X
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AE	Ronald E. CROCHIERE, et al., MULTIRATE DIGITAL SIGNAL PROCESSING, 1983, 1 pages vii - xii, 78-88, 296-300 and Two Cover pages.					
	AF	Özgür YILMAZ, et al., "Blind Separation of Speech Mixtures via Time-Frequency Masking", IEEE TRANSACTIONS ON SIGNAL PROCESSING, Vol. 52, No. 7, July 2004, Pages 1830-1847.					
	AG	Richard O. DUDA, et al., PATTERN CLASSIFICATION, Second Edition, 2001, pages vii - xvii, 526-527, and two cover pages.					
	AH	Ryo MUKAI, et al., "FREQUENCY DOMAIN BLIND SOURCE SEPARATION USING SMALL AND LARGE SPCING SENSOR PAIRS", IEEE, 2004, Pages V-1 to V-4.					
	AI	Aapo HYVÄRINEN, et al., INDEPENDENT COMPONENT ANALYSIS, 2001, pages v - xvii ,6-7 and a cover page					
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	AL	Barry D. VAN VEEN, et al., "Beamforming: A Versatile Approach to Spatial Filtering", IEEE ASSP MAGAZINE, April 1988, Pages 4-24.					
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	AN	Hiroshi SAWADA, et al., "Blind source separation of many sounds in the frequency domain", JAPANESE SOCIETY FOR ARTIFICIAL INTELLIGENCE TECHNICAL REPORT, Pages 17-22 (with English abstract).					
	AO	Hiroshi SAWADA, et al., "Polar Coordinate Based Nonlinear Function for Frequency-Domain Blind Source Separation", IEICE TRANS. FUNDAMENTALS, Vol. E86-A, No. 3, March 2003, Pages 590-596.					
	AP	Hiroshi SAWADA, et al., "BLIND EXTRACTION OF A DOMINANT SOURCE SIGNAL FROM MIXTURES OF MANY SOURCES", IEEE, 2005, Pages III-61 to III-64.					
	AQ	Hiroshi SAWADA, et al., "Blind extraction of dominant target sources using ICA and time-frequency masking", Pages 1-8.					
	AR	Shoko ARAKI, et al., "A NOVEL BLIND SOURCE SEPARATION METHOD WITH OBSERVATION VECTOR CLUSTERING", NTT COMMUNICATION SCIENCE LABORATORIES, 4 pages.					
	AS						
	AT						
	AU						
	AV					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							